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(54) Title: IMPROVED WELDABLE ALUMINUM STUD

(57) Abstract

A weld-on part made of aluminum or an aluminum alloy, such as but not limited to a stud (1), which has a surface which is at least partially provided with a layer (5) which contains a titanium containing material. The stud (1) is treated with a chrome-free passivating solution which imparts corrosion resistance while simultaneously causing a layer (5) of titanium containing material to be formed on at least a portion of the surface of the stud (1). The layer (5) of titanium containing material permits the stud (1) to be satisfactorily welded to a surface, without the occurrence of arc jumping or blowing, in part, by lowering contact resistance during the welding process.